CONTRACT NO. 83664

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	96-00099-00-BR	DUPAGE	62	33
STA. 13+25.00	TO STA. 16+55.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET S2 OF S22
contr. 83664

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31, M42, or M53 Grade 60.
2. The back face of closed abutments and their wingwalls (or retaining walls) shall be waterproofed according to Article 503.18 of the Standard Specifications.
3. Expansion joint plates and attached bars shall be shop painted with the inorganic zinc-rich primer.
4. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
5. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.
6. The concrete for bridge floors finished according to Article 503.17 of the Standard Specifications, shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The finishing machine, when required, shall be set parallel to the skew for striking off and screeding the concrete.
7. Bridge seat sealer shall be applied to the seat area of the abutments.
8. When the deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the deck Pouring Sequence as shown, the next pour shall not be made until both of the following requirements are met:

   1. At least 72 hours shall have elapsed from the end of the previous pour.
   2. The concrete strength shall have attained a minimum modulus of rupture of 650 psi or a minimum compressive strength of 4,000 psi.

9. The Contractor shall submit for the Engineer's review his detailed demolition plans and procedure including, but not limited to, the sequence of removal of structural members, and provisions for stability during the removal of the existing structures. This submittal shall be signed and sealed by a licensed Structural Engineer in Illinois. The Engineer's review of such plans and procedures does not relieve the Contractor of any responsibility.
10. The existing name plate is to be removed, cleaned, stored and reinstalled next to the proposed name plate. The cost of removing, cleaning, storing and reinstalling the existing name plate shall be included in the cost of the pay item "Name Plates".

REMOVAL OF EXISTING STRUCTURES

1. Removal of existing structures will include superstructures and substructures and shall follow Article 501 of the Standard Specifications.
2. Removal of existing structure shall include removal of the entire superstructure, deck, deck parapet, and concrete girders. The existing North abutment will be completely removed. The two existing concrete piers in the river will be removed down to one foot below the riverbed.
3. The South abutment will be removed to down to one foot below the proposed low flow walkway foundation.
4. Any stone foundation identified along the proposed South abutment shall be removed as described on sheet S3.
5. All the removal of existing structures, including but not limited to what described above shall be paid as part of the pay item 'Removal of existing structures'.
6. The Contractor shall comply with the disposition given by the City of Naperville for work hours, protection from debris and noise control during demolition and construction. No debris shall be dumped in the river. During demolition, The Contractor shall provide adequate protection to the buildings adjacent to the construction site.

MONITORING OF EXISTING STRUCTURES

A level circuit shall be established for the purpose of monitoring possible movements of an existing building and retaining wall adjacent to the east end of the north abutment during construction operations. The survey points on the existing structures shall be established prior to any excavation work at or near the north abutment. Two survey points shall be established on the southwest corner of the existing building. One survey point shall be located on the west face and the other on the south face of the existing building. Two survey points shall be established on the previously mentioned retaining wall within five feet of the proposed north abutment. The location and elevation of all four points shall be surveyed on a weekly basis basis for the duration of construction operations and on a daily basis during excavation operations in the vicinity of the north abutment. The Contractor shall keep a log indicating the location and elevation of each survey point accurate to 0.001 feet. A copy of this log shall be provided to the engineer following each survey. The occurance of movement greater than 1/16 in shall be reported to the Engineer immediately. The installation and removal of the survey points shall be performed so as not to damage the existing structures and to return them to the condition they were in prior to installation. The Contractor shall notify the building owner reguarding the installation of survey points to building at least 7 days prior to the installation of survey points. All costs associated with the monitoring of the existing structures shall be included in the pay item "Temporary Soil Retention System".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPERSTRUCTURE QUANTITY	SUBSTRUCTURE QUANTITY	TOTAL BRIDGE QUANTITY
POROUS GRANULAR EMBANKMENT	Cu. Yd.		363	363
STONE RIPRAP, CLASS A5	Sq. Yd.		16	16
REMOVAL OF EXISTING STRUCTURES	L. Sum	0.5	0.5	1
STRUCTURE EXCAVATION	Cu. Yd.		1,085	1,085
ROCK EXCAVATION FOR STRUCTURES	Cu. Yd.		83	83
CONCRETE STRUCTURES	Cu. Yd.		288.3	288.3
CONCRETE SUPERSTRUCTURE	Cu. Yd.	58		58
BRIDGE DECK GROOVING	Sq. Yd.	518		518
PROTECTIVE COAT *	Sq. Yd.	609		609
RUSTICATION FINISH	Sq. Ft.	542	1,492	2,034
REINFORCEMENT BARS, EPOXY COATED	Pound	56,890	69,710	126,600
PEDESTRIAN RAILING	Foot	249		249
TEMPORARY SOIL RETENTION SYSTEM	Sq. Ft.		1,449	1,449
NAME PLATES	Each	1		1
BRIDGE SEAT SEALER	Sq. Ft.		330	330
GEOCOMPOSITE WALL DRAIN	Sq. Yd.		137	137
PIPE UNDERDRAIN FOR STRUCTURES, 6"	Foot		136	136
DRAINAGE SCUPPERS, DS-12	Each	4		4
BRIDGE EXPANSION JOINT SYSTEM	Foot	136		136
HIGH PERFORMANCE CONCRETE STRUCTURE	Cu. Yd.	590		590
ELASTOMERIC BEARING PADS (SPECIAL)	Sq. Ft.		631	631
LOW FLOW WALK (SPECIAL)	L. Sum		1	1
FURNISHING, INSTALLING AND STRESSING POST-TENSIONING TENDONS	L. Sum	1		1
CONCRETE SLOPEWALL (SPECIAL)	Sq. Ft.		1,209	1,209
BAR SPLICERS	Each		94	94
BRIDGE DECK LATEX CONCRETE OVERLAY	Sq. Yd.	515		515
DRILLED SHAFT IN SOIL, 30"	Foot		146	146
DRILLED SHAFT IN ROCK, 24"	Foot		86	86
ANTI-GRAFFITI COATING	Sq. Ft.	1,536	3,508	5,044
BENCH	Each	2		2
BRICK PAVERS	Sq. Ft.	2,108		2,108
ENTRY COLUMN	Each	2		2
PLANTER	Each	4		4
STONE FINISHES FOR COLUMN	Each	10		10
UNDERWATER STRUCTURE EXCAVATION PROTECTION	L. Sum		1	1
TRAFFIC BARRIER RAIL	Foot	262		262

* Quantity includes top surface of bridge overlay, all accessible surfaces of traffic barrier and top surface of sidewalk framing curbs

INDEX OF STRUCTURAL DRAWINGS

REVISIONS NAME	DATE

CITY OF NAPERVILLE
GENERAL NOTES AND TOTAL BILL OF MATERIAL
MAIN STREET BRIDGE OVER WEST BRANCH DUPAGE RIVER
STRUCTURE NO. 022-6755 - STA. 15+00.00

SCALE: N.T.S. DRAWN BY CVM
DATE JULY 9, 2004 CHECKED BY SCD

DATE =Tue Jul 13 09:46:19 2004 DGN =L:\work\65154\cadd\drawings\Bridge\gnotebm.dgn